Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBRN = 138/14-15

No. ***First & Final*** (For Other Works) Date...../...../2014

31/7/14

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Byatarayanapura**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional Work Code: **005-14-000043**

Schedule Docket No. Head of Account: P. 2054 Est.Cost: **40.00 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate): **Improvements to Road and Drains at Prakruthinagara Main Road, Kogilu in ward No 05 Byatarayanapura Sub Division**

Name of Contractor and Full Address : *M/s Techinal manager,(West), KRIDL, BBMP, Bangalore.*

Reference to Agreement No. **EE/BTP/BBMP/KRIDL/W.O/377/2013-14** Date: 21-2-14

Certified that the measurements were taken by me on 31/7/14 and recorded of Pages 250301 to 250315 of measurement Book No. 2504 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Certified that the measurement were taken by me on 31/7/14 ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	1st & Final Bill 3661986=00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IT 73240=00 KST 146479=00 ESD 238029=00 LWC 36620= CSF 3662=00 Roy 45207=00 Fine 7000=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	550237=00 3111749=00

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Paid by me by Cheque No..... Dated.....
Cash Rs.....
Dated.....

Stamp

3661986=00
550237=00
3111749=00

Initials of Officer making payment

Executive Engineer

Sl. No.	Descriptions	Unit
1	KSRRB M300- Maintenance of Earthen ShouldersKSRRB M300-2: Making up loss of material / irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment complete as per specifications MORTH specification No. 3003,with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
3	Filling Pot-holes and Patch Repairs with Bituminous concrete, 40mm.KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.0 back filling the pot hole with bituminous material as per clause 500.4 campacting traimming and finishing the surface to form a smooth continuous surface all as per clause 3004.2 complete as per specifications MORTH Specification with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
4	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum
5	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
6	Removing B.S Slab of Drain and stacking with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
7	Refixing stone slabs of drains and pointing in C.M (1:3) with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
9	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
10	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum
11	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
12	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
13	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix **M10** withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	cum

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
-	-	707.95	16.31	11546.66	707.95	11546.66	
-	-	106.19	1121.04	119043.24	106.19	119043.24	
-	-	707.95	410.40	290542.68	707.95	290542.68	
		1039.50 1021.4M	126.36	131351.22 129060 =	1039.50 1021.4M	131351.22 129060 =	
		66.15 24.7%	227.88	15074.26 5642 =	66.15 24.7%	15074.26 5642 =	
		1064.25	50.11	53329.57	1064.25	53329.57	
		1064.25	70.04	74540.07	1064.25	74540.07	
		354.75	343.44	121835.34	354.75	121835.34	
		10.24 3.53	4290.84	43938.20 15146 =	10.24	43938.20 15146 =	
		18.90 7.26	3549.96	67094.24 25772 =	18.90	67094.24 25772 =	
		15.19 4.29	4227.12	64209.95 20712 =	15.19	64209.95 20712 =	
		39.57 13.26	244.08	9658.25 3236 =	39.57	9658.25 3236 =	
		5.40 1.80 ~~4.08~~	4737.96	25584.98 8528 =	5.40 1.80	25584.98 8528 =	

14	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	**Cum**
15	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	**Qtl**
16	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
17	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
18	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo-Medium Porosity MORTH chapter 5, with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Sqm
19	KSRRB 500-7 : Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	**Sqm**
20	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
21	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km with all lead and lift etc complete as per specifications and directions of engineer in charge of the work.	Cum
	Total Amount	
	Add 1% Third party QC Charges	
	Add 10% KRIDL Charges and	
	Add 1% Labour Cess	
	Net Total	

CERTIFICATE

1. Certified that the above work done satisfactory and no materials issued from departmentally.

		12.81	5639.76	72245.33	12.81	72245.33	
		12.81	7380.72	94547.02	12.81	94547.02	
		33.75	79.92	2697.30	33.75	2697.30	
		608.00	1121.04	681592.32	608.00	681592.32	
		3040.00	100.60	305824.00	3040.00	305824.00	
		2280.00	28.94	65983.20	2280.00	65983.20	
		129.25	9631.44	1244863.62	129.25	1244863.62	
		1105.65	67.32	74432.36	1105.65	74432.36	
				3569934.00		3569934.00	
				35699.00		35699.00	
				356993.00		356993.00	
				35699.00		35699.00	
				3998325.00		3998325.00	

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore